



National Weather Service

Storm Data and Unusual Weather Phenomena



December 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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ATLANTIC NORTH

ANZ254	Provincetown Ma To Chatham Ma To Nantucket Ma Out 20Nm								
Chatham Light	20 1450EST				0	0			Marine Tstm Wind (G37)
	Buoy 44017								
ANZ234	Buzzards Bay								
Bzzrds Bay Ent Tower	20 1500EST				0	0			Marine Tstm Wind (G43)
ANZ236	Narragansett Bay								
Greenwich Bay	20 1551EST				0	0			Marine Tstm Wind (G38)
ANZ230	Boston Harbor								
Boston Light	20 1616EST				0	0			Marine Tstm Wind (G38)
ANZ237	Block Island Sound								
Charlestown Breachway	20 1653EST				0	0			Marine Tstm Wind (G34)
	2153EST								
ANZ255	Nantucket To Martha'S Vineyard Ma To Block Island Ri To Montauk Ny And Se 20Nm								
Wasque Pt Mrths Vnyrd	20 1653EST				0	0			Marine Tstm Wind (G34)
ANZ235	Rhode Island Sound								
Newport	20 1653EST				0	0			Marine Tstm Wind (G34)
ANZ233	Vineyard Sound								
Woods Hole	20 1653EST				0	0			Marine Tstm Wind (G34)
ANZ250	Merrimack River Ma And Out 20Nm To Plymouth Ma And Out 40Nm								
Stellwagen Bank	20 1750EST				0	0			Marine Tstm Wind (G37)
	Buoy 44013								
ANZ270	Merrimack River Ma To Watch Hill Ri 25 To 40Nm								
Surfside Nantucket	20 1900EST				0	0			Marine Tstm Wind (G39)
	Buoy 44008								

CONNECTICUT, Northeast

CTZ002>004	Hartford - Tolland - Windham								
	05 1000EST				0	0			Heavy Snow
	06 0700EST								
A winter storm passing about 200 miles southeast of Nantucket brought heavy snow to north central and northeast Connecticut. Snowfall totals averaged 4 to 8 inches throughout Hartford, Tolland, and Windham Counties. No damage or injuries were reported from this storm.									
Officially, the storm total at Bradley International Airport in Windsor Locks was 4.0 inches. Other snowfall totals included 8 inches in East Hartford, Burlington, Manchester, and Ashford; 7 inches in Glastonbury, Wethersfield, Ellington, and South Killingly; and 6 inches in Newington.									
CTZ002	Hartford								
	25 1300EST				0	0	15K		Winter Storm
	26 0900EST								
A major winter storm impacted southern New England on Christmas Day, bringing heavy, wet snow to north central Connecticut. Rain fell through the morning, then by mid afternoon had changed to sleet and snow as far east as the Interstate 84 corridor. The greatest snowfall accumulations were reported in Hartford County, where totals of 5 to 10 inches were common. Amounts tapered off to between 4 and 6 inches across Tolland and Windham Counties, where the changeover occurred later.									
Officially, the storm total at Bradley International Airport in Windsor Locks was 7.8 inches. Other snowfall totals included 10 inches in North Granby; 9 inches in Burlington; 8 inches in Avon, Granby, and Collinsville; and 6 inches in East Hartford, Simsbury, Vernon, and Woodstock.									



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MASSACHUSETTS, Central and East

MAZ017>024 **Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket**

05	1300EST	0	0		Heavy Snow
06	1100EST				

A winter storm passing about 200 miles southeast of Nantucket brought heavy snow to southeast Massachusetts, including Cape Cod and the Islands. Snowfall amounts averaged around 6 inches in these areas, while farther north and west, amounts of 2 to 5 inches were common throughout the rest of the Bay State. No storm damage or injuries were reported.

Officially, a storm total of 6.0 inches was reported at the National Weather Service office in Taunton. Other snowfall totals included 8 inches in Bourne; 7 inches in Sandwich, Falmouth, Acushnet, New Bedford, West Tisbury, Nantucket, and Marshfield; and 6 inches in Dennis, Mansfield, Brockton, and Fairhaven.

MAZ002-008 **Western Franklin - Western Hampshire**

11	2000EST	0	0		Heavy Snow
12	0700EST				

Heavy snow affected the higher terrain of western Franklin and western Hampshire counties. Amounts averaged 8 to 10 inches, with as little as 2 to 4 inches reported in the valleys. No damage or injuries were reported.

Some specific snowfall totals included 11 inches in Williamsburg; 10 inches in Goshen and Plainfield; 9 inches in Shelburne; and 8 inches in Worthington.

MAZ016 **Eastern Norfolk**

20	1551EST	0	0		High Wind (G62)^M
Blue Hill Observatory					

A wind gust to 71 mph was measured at the Blue Hill Observatory in Milton. No damage was reported.

MAZ015>016-024 **Suffolk - Eastern Norfolk - Nantucket**

25	0203EST	0	0		High Wind (G57)^M
	2117EST				

MAZ002>012-014>015 **Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Southeast Middlesex - Suffolk**

25	1300EST	0	0	195K	Winter Storm
26	0900EST				

A major winter storm impacted southern New England on Christmas Day, bringing heavy, wet snow and high winds to the Bay State. The greatest snowfall accumulations were reported from the east slopes of the Berkshires into central and northeast Massachusetts, where 8 to 15 inches of snow fell. Around 6 inches of snow fell in the greater Boston area, with 2 to 5 inches in Bristol and Plymouth Counties.

The weight of the snow, combined with strong northeast winds, brought down trees and power lines throughout much of Worcester County and the Merrimack Valley. About 29,000 customers lost power in these areas during the height of the storm, many on the northern end of Interstate 495.

High winds were reported in the immediate Boston area and also on Nantucket. At Logan International Airport, sustained winds reached 40 mph during the late afternoon, while at the Blue Hill Observatory in Milton sustained winds reached 45 mph with a peak gust to 65 mph. On Nantucket, sustained winds of 41 mph were reported.

Official storm totals included 13.5 inches at Worcester Airport, 10.7 inches at Blue Hill Observatory, 5.4 inches at Logan International Airport, and 2.8 inches at the National Weather Service office in Taunton.

Other snowfall totals from the storm included 18 inches in Middlefield; 16 inches in Goshen; 15 inches in Byfield; 12 inches in Newburyport, Pepperell, Townsend, and Shrewsbury; 10 inches in North Andover, Ayer, Reading, Sterling, West Brookfield, Sunderland, West Springfield and Hadley; 8 inches in Methuen, Lexington, Fitchburg, and Sutton; and 6 inches in Waltham, Winthrop, and Northbridge.



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NEW HAMPSHIRE, Southern

NHZ011>012

Cheshire - Hillsborough

11 2000EST
12 0700EST

0 0

Heavy Snow

Heavy snow affected the higher terrain of Cheshire and Hillsborough counties. Amounts averaged 4 to 8 inches, with as little as 1 to 3 inches in the valleys. No damage or injuries were reported from this storm.

Some specific snowfall totals included 8 inches in Marlow, Walpole, and New Ipswich; 7 inches in Jaffrey, Peterborough, and Weare; and 6 inches in Greenfield.

NHZ011>012

Cheshire - Hillsborough

25 1300EST
26 0900EST

0 0 14K

Winter Storm

A major winter storm impacted southern New England on Christmas Day, bringing heavy, wet snow to southwest New Hampshire. Snowfall totals of 10 to 16 inches were common in Cheshire and Hillsborough Counties. The weight of the snow brought down tree limbs and some power lines, but little significant damage was reported from this storm.

Some specific snowfall totals included 16 inches in Franconia, 14 inches in Bedford and Manchester, 13 inches in Rindge and Nashua, 12 inches in Milford, and 9 inches in Keene and Swanzey.

RHODE ISLAND

RIZ002>007

Southeast Providence - Western Kent - Eastern Kent - Bristol - Washington - Newport

05 1200EST
06 1000EST

0 0

Heavy Snow

A winter storm passing about 200 miles southeast of Nantucket brought heavy snow to much of Rhode Island. Due to its offshore track, the storm brought the most snow to central and southern sections of the Ocean State, where amounts averaged around 7 inches. Amounts averaged less in northwest Providence County, generally between 2 and 5 inches. No storm damage or injuries were reported.

Officially, the storm total at T.F. Green State Airport in West Warwick was 6.4 inches. Other snowfall totals included 8 inches in Middletown, Coventry, West Greenwich, and Cranston; 7 inches in North Kingstown, Tiverton, and Johnston; and 6 inches in Charlestown, Warwick, and downtown Providence.

RIZ001

Northwest Providence

25 1300EST
26 0900EST

0 0 10K

Winter Storm

RIZ004

Eastern Kent

25 2208EST

0 0

High Wind (G35)^M

T.F. Green State Airport, sustained wind

A major winter storm impacted southern New England on Christmas Day, bringing heavy, wet snow and high winds to the Ocean State. The greatest snowfall accumulations were reported in northwest Providence County, where amounts of 4 to 7 inches were common. Only 1 to 3 inches of snow were observed farther south into Kent and southeast Providence Counties, where rain was reported through much of the day.

The weight of the snow, combined with strong northeast winds, brought down tree limbs and power lines in Woonsocket, North Smithfield, and Burrillville. About 2,000 customers lost power during the height of the storm. At T.F. Green State Airport in West Warwick, sustained winds reached 40 mph during the evening.



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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

RHODE ISLAND

Officially, the storm total at T.F. Green State Airport was only 1.1 inch. Other snowfall totals included 7 inches in Burrillville, 6 inches in North Foster, and 4 inches in Woonsocket.